

## EAST Search History

| Ref # | Hits  | Search Query   | DBs             | Default Operator | Plurals | Time Stamp       |
|-------|-------|--|-----------------|------------------|---------|------------------|
| L1    | 1     | "20050036631"  | US-PGPUB; USPAT | OR               | ON      | 2007/01/31 08:58 |
| L2    | 1     | "20040131194"  | US-PGPUB; USPAT | OR               | ON      | 2007/01/31 12:45 |
| L8    | 7     | "5736846"  | US-PGPUB; USPAT | OR               | ON      | 2007/01/31 10:56 |
| L9    | 22    | (US-20030133579-\$ or US-20020071569-\$ or US-20020172373-\$ or US-20030059056-\$ or US-20030165250-\$ or US-20020154785-\$ or US-20050036631-\$).did. or (US-6980662-\$ or US-4110571-\$ or US-7095455-\$ or US-5375596-\$ or US-6625448-\$ or US-6873608-\$ or US-5914602-\$ or US-5400406-\$ or US-6232785-\$ or US-6603860-\$ or US-6064742-\$ or US-5500585-\$ or US-6731760-\$ or US-5736846-\$ or US-6791341-\$).did. | US-PGPUB; USPAT | OR               | ON      | 2007/01/31 11:06 |
| L10   | 48184 | "22" and (band\$1 ADJ3 filter\$1)  | US-PGPUB; USPAT | OR               | ON      | 2007/01/31 11:07 |
| L11   | 2     | 9 and (band\$1 ADJ3 filter\$1)   | US-PGPUB; USPAT | OR               | ON      | 2007/01/31 11:09 |
| L12   | 6600  | (\$4speaker\$1) and (band\$1 ADJ3 filter\$1)   | US-PGPUB; USPAT | OR               | ON      | 2007/01/31 11:09 |
| L13   | 4845  | 12 and @ad<"20021024"  | US-PGPUB; USPAT | OR               | ON      | 2007/01/31 14:04 |
| L14   | 1367  | 13 and (Hz and KHz)  | US-PGPUB; USPAT | OR               | ON      | 2007/01/31 11:11 |
| L15   | 1244  | 14 and (range\$1)  | US-PGPUB; USPAT | OR               | ON      | 2007/01/31 11:11 |
| L16   | 359   | 15 and ("381"/\$.ccls.)  | US-PGPUB; USPAT | OR               | ON      | 2007/01/31 11:13 |
| L17   | 255   | 16 and (band\$1 adj1 pass)   | US-PGPUB; USPAT | OR               | ON      | 2007/01/31 11:15 |
| L18   | 32    | 17 and ((band\$1 adj1 pass) adj2 (filter\$1)) WITH (\$4speaker\$1)   | US-PGPUB; USPAT | OR               | ON      | 2007/01/31 12:46 |
| L19   | 24    | 18 and (switch\$5)   | US-PGPUB; USPAT | OR               | ON      | 2007/01/31 12:45 |
| L20   | 0     | 19 and (((band\$1 adj1 pass) adj2 (filter\$1))near1 switch\$5) WITH (\$4speaker\$1)  | US-PGPUB; USPAT | OR               | ON      | 2007/01/31 12:47 |

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|     |      |   |                                   |    |    |                  |
|-----|------|---|-----------------------------------|----|----|------------------|
| L21 | 1    | (((band\$1 adj1 pass) adj2 (filter\$1))near1 switch\$5) WITH (\$4speaker\$1)  | US-PGPUB; USPAT                   | OR | ON | 2007/01/31 12:48 |
| L22 | 2    | (((band\$1 adj1 pass) adj2 (filter\$1))near1 switch\$5) WITH (\$4speaker\$1)  | US-PGPUB; USPAT; USOCR; FPRS; JPO | OR | ON | 2007/01/31 12:54 |
| L23 | 0    | (((band\$1 adj1 pass) adj2 (filter\$1))near1 (switch\$5 and select\$5)) WITH (\$4speaker\$1)  | US-PGPUB; USPAT; USOCR; FPRS; JPO | OR | ON | 2007/01/31 12:55 |
| L24 | 33   | (((band\$1 adj1 pass) adj2 (filter\$1))near1 (switch\$5 and select\$5))   | US-PGPUB; USPAT; USOCR; FPRS; JPO | OR | ON | 2007/01/31 13:02 |
| L25 | 24   | 24 and @ad<"20021024"   | US-PGPUB; USPAT                   | OR | ON | 2007/01/31 13:01 |
| L26 | 30   | (US-20030133579-\$ or US-20020071569-\$ or US-20020172373-\$ or US-20030059056-\$ or US-20030165250-\$ or US-20020154785-\$ or US-20050036631-\$ or US-20020191807-\$ or US-20020072816-\$ or US-20030008628-\$).did. or (US-6980662-\$ or US-4110571-\$ or US-7095455-\$ or US-5375596-\$ or US-6625448-\$ or US-6873608-\$ or US-5914602-\$ or US-5400406-\$ or US-6232785-\$ or US-6603860-\$ or US-6064742-\$ or US-5500585-\$ or US-6731760-\$ or US-5736846-\$ or US-6791341-\$ or US-6621908-\$ or US-6901225-\$ or US-6512549-\$ or US-5330414-\$ or US-5129100-\$). did. | US-PGPUB; USPAT                   | OR | ON | 2007/01/31 13:02 |
| L27 | 1    | 26 and (((band\$1 adj1 pass) adj2 (filter\$1))near1 (switch\$5 and select\$5)) and (\$4speaker\$1)  | US-PGPUB; USPAT; USOCR; FPRS; JPO | OR | ON | 2007/01/31 14:02 |
| L28 | 2823 | (correlat\$3) and (receiv\$2 near1 signal\$1) same (suppl\$4 near1 signal\$1)   | US-PGPUB; USPAT                   | OR | ON | 2007/01/31 14:08 |
| L29 | 2284 | 28 and @ad<"20021024"   | US-PGPUB; USPAT                   | OR | ON | 2007/01/31 14:04 |
| L30 | 286  | 29 and (\$4speaker\$1)  | US-PGPUB; USPAT                   | OR | ON | 2007/01/31 14:05 |

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|     |         |   |                    |    |    |                  |
|-----|---------|---|--------------------|----|----|------------------|
| L31 | 33      | 30 and ("381"/\$.ccls.)   | US-PGPUB;<br>USPAT | OR | ON | 2007/01/31 14:05 |
| L32 | 2       | 31 and ((correlat\$3) same (receiv\$2<br>near1 signal\$1) same (suppl\$4<br>near1 signal\$1))   | US-PGPUB;<br>USPAT | OR | ON | 2007/01/31 14:48 |
| L33 | 15      | (receiv\$3 NEAR1 coil\$1) same<br>(direct\$3) and L13   | US-PGPUB;<br>USPAT | OR | ON | 2007/01/31 14:49 |
| L34 | 2960    | (receiv\$3 NEAR1 coil\$1) same<br>(direct\$3) and @ad<"20021024"  | US-PGPUB;<br>USPAT | OR | ON | 2007/01/31 14:50 |
| L35 | 1730    | 34 and (magnetic adj2 field\$1)   | US-PGPUB;<br>USPAT | OR | ON | 2007/01/31 14:57 |
| L36 | 27      | 35 and ("381"/\$.ccls.)   | US-PGPUB;<br>USPAT | OR | ON | 2007/01/31 14:51 |
| L37 | 81      | 34 and ((magnetic adj2 field\$1)<br>near1 (receiver\$1 or antenna\$1))  | US-PGPUB;<br>USPAT | OR | ON | 2007/01/31 15:17 |
| L38 | 6       | Gruhle-Andreas\$.in.  | US-PGPUB;<br>USPAT | OR | ON | 2007/01/31 15:18 |
| L39 | 1       | Kibbel-Host\$.in.   | US-PGPUB;<br>USPAT | OR | ON | 2007/01/31 15:18 |
| L40 | 1       | Zeuner-Marco\$.in.  | US-PGPUB;<br>USPAT | OR | ON | 2007/01/31 15:18 |
| L41 | 6       | (38 or 39 or 40)  | US-PGPUB;<br>USPAT | OR | ON | 2007/01/31 15:19 |
| L42 | 4       | 41 and (test\$3 or function\$6 or<br>speaker\$1)  | US-PGPUB;<br>USPAT | OR | ON | 2007/01/31 15:19 |
| S1  | 300     | (381/59.ccls.)  | US-PGPUB;<br>USPAT | OR | ON | 2007/01/23 08:56 |
| S2  | 175     | S1 and @ad<"20021024"   | US-PGPUB;<br>USPAT | OR | ON | 2007/01/23 10:51 |
| S3  | 2235356 | (device\$2 or speaker\$2).and (test\$3<br>or operat\$3 or funtion\$2 or<br>diagnosi\$3 or analy\$4) and<br>(connect\$3 or wire\$2 or terminal\$2) | US-PGPUB;<br>USPAT | OR | ON | 2007/01/23 09:50 |
| S4  | 47521   | (amplif\$5 and (antenna\$2 or<br>(magnetic adj2 (field\$2))) and<br>filter\$2) and S3   | US-PGPUB;<br>USPAT | OR | ON | 2007/01/23 09:49 |
| S5  | 32837   | S4 and @ad<"20021024"   | US-PGPUB;<br>USPAT | OR | ON | 2007/01/23 09:49 |
| S6  | 32654   | S5 and (test\$3 or operat\$3 or<br>funtion\$2 or diagnosi\$3) and<br>(connect\$3 or wire\$2 or terminal\$2)                                       | US-PGPUB;<br>USPAT | OR | ON | 2007/01/23 09:52 |
| S7  | 935     | S6 and (antenna\$1 with<br>(\$7magnetic adj1 field\$2))   | US-PGPUB;<br>USPAT | OR | ON | 2007/01/23 09:53 |
| S8  | 137     | S7 and (\$5speaker\$2)  | US-PGPUB;<br>USPAT | OR | ON | 2007/01/23 09:56 |

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|     |       |   |                              |    |    |                  |
|-----|-------|---|------------------------------|----|----|------------------|
| S9  | 7     | "5736846"   | US-PGPUB;<br>USPAT           | OR | ON | 2007/01/23 10:40 |
| S10 | 8     | ("4491790"   "4511839"   "4887029").PN. OR ("5736846").URPN.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/01/23 10:42 |
| S11 | 15    | (US-20030059056-\$ or US-20020172373-\$ or US-20020154785-\$ or US-20020071569-\$ or US-20030165250-\$).did. or (US-7095455-\$ or US-6980662-\$ or US-6625448-\$ or US-6232785-\$ or US-6064742-\$ or US-5400406-\$ or US-4110571-\$ or US-6873608-\$ or US-5914602-\$ or US-5375596-\$).did. | US-PGPUB;<br>USPAT           | OR | ON | 2007/01/23 10:46 |
| S12 | 3     | S11 and (antenna\$2 and filte\$2 and amplif\$4)   | US-PGPUB;<br>USPAT           | OR | ON | 2007/01/23 10:51 |
| S13 | 233   | (324/125.ccls.)   | US-PGPUB;<br>USPAT           | OR | ON | 2007/01/23 10:50 |
| S14 | 175   | S2 and @ad<"20021024"   | US-PGPUB;<br>USPAT           | OR | ON | 2007/01/23 10:51 |
| S15 | 4     | S14 and (antenna\$2 and filte\$2 and amplif\$4)   | US-PGPUB;<br>USPAT           | OR | ON | 2007/01/23 10:54 |
| S16 | 98    | (field\$2 with (function\$6 or test\$3 or operat\$6 or work\$3)) and (device\$1 or \$4speaker\$1) and ((381/86.ccls.) or (381/59.ccls.))  | US-PGPUB;<br>USPAT           | OR | ON | 2007/01/23 18:49 |
| S17 | 119   | ((field\$2 or antenna\$1) with (function\$6 or test\$3 or operat\$6 or work\$3)) and (device\$1 or \$4speaker\$1) and ((381/86.ccls.) or (381/59.ccls.))  | US-PGPUB;<br>USPAT           | OR | ON | 2007/01/23 17:10 |
| S18 | 79    | S17 and @ad<"20021024"  | US-PGPUB;<br>USPAT           | OR | ON | 2007/01/23 18:07 |
| S19 | 84758 | ((field\$2 or antenna\$1 or receive\$1) with (function\$6 or test\$3 or operat\$6 or work\$3)) and (device\$1 or \$4speaker\$1) and ((magnetic\$1 or alternat\$3) with (fiel\$1))   | US-PGPUB;<br>USPAT           | OR | ON | 2007/01/23 18:36 |
| S20 | 59794 | S19 and @ad<"20021024"  | US-PGPUB;<br>USPAT           | OR | ON | 2007/01/23 17:25 |
| S21 | 461   | S20 and ("381"/\$.ccls.)  | US-PGPUB;<br>USPAT           | OR | ON | 2007/01/23 18:05 |
| S22 | 441   | ((381/117.ccls.) or (381/59.ccls.))   | US-PGPUB;<br>USPAT           | OR | ON | 2007/01/23 18:07 |
| S23 | 441   | (("381"/\$.ccls.) and S22)  | US-PGPUB;<br>USPAT           | OR | ON | 2007/01/23 18:07 |

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|     |      |   |                              |    |    |                  |
|-----|------|---|------------------------------|----|----|------------------|
| S24 | 241  | S23 and @ad<"20021024"  | US-PGPUB;<br>USPAT           | OR | ON | 2007/01/23 18:07 |
| S25 | 34   | ((field\$2 or antenna\$1 or receive\$1) with (function\$6 or test\$3 or operat\$6 or work\$3)) and (device\$1 or \$4speaker\$1) and ((magnetic\$1 or alternat\$3) with (fiel\$1) or coil\$1) and S24            | US-PGPUB;<br>USPAT           | OR | ON | 2007/01/23 18:09 |
| S26 | 4    | ("5042070"   "5361305"   "5450624"   "5815584").PN. OR ("6870934").URPN.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/01/23 18:18 |
| S27 | 1    | "7079039"   | US-PGPUB;<br>USPAT           | OR | ON | 2007/01/23 18:20 |
| S28 | 9    | ("4506218"   "4949022"   "5363024"   "5500585"   "5523701"   "5596271"   "5739698"   "6009362"   "6144924").PN. OR ("7079039").URPN.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/01/23 18:35 |
| S29 | 9    | (US-6144924-\$ or US-6009362-\$ or US-5739698-\$ or US-5596271-\$ or US-5523701-\$ or US-5500585-\$ or US-5363024-\$ or US-4949022-\$ or US-4506218-\$).did.  | USPAT                        | OR | ON | 2007/01/23 18:36 |
| S30 | 5    | ((field\$2 or antenna\$1 or receive\$1) with (function\$6 or test\$3 or operat\$6 or work\$3)) and (device\$1 or \$4speaker\$1) and ((magnetic\$1 or alternat\$3) with (fiel\$1)) and S29                       | US-PGPUB;<br>USPAT           | OR | ON | 2007/01/23 18:38 |
| S31 | 4530 | S20 and (antenna\$1 or receiver\$1) and (filter\$1 and amplif\$5)   | US-PGPUB;<br>USPAT           | OR | ON | 2007/01/23 18:46 |
| S32 | 1    | S30 and (antenna\$1 or receiver\$1) and (filter\$1 and amplif\$5)   | US-PGPUB;<br>USPAT           | OR | ON | 2007/01/23 18:39 |
| S33 | 12   | ("3728565"   "4629982"   "4785242").PN. OR ("5500585").URPN.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/01/23 18:41 |
| S34 | 12   | (US-7079039-\$ or US-6552531-\$ or US-6492804-\$ or US-6282954-\$ or US-6104185-\$ or US-5955878-\$ or US-5880584-\$ or US-5844960-\$ or US-5777217-\$ or US-4785242-\$ or US-4629982-\$ or US-3728565-\$).did. | USPAT                        | OR | ON | 2007/01/23 18:46 |
| S35 | 1    | S34 and (antenna\$1 or receiver\$1) and (filter\$1 and amplif\$5)   | US-PGPUB;<br>USPAT           | OR | ON | 2007/01/23 18:47 |

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|     |    |   |                    |    |    |                  |
|-----|----|---|--------------------|----|----|------------------|
| S36 | 19 | (US-20030165250-\$ or<br>US-20020154785-\$ or<br>US-20020172373-\$ or<br>US-20030059056-\$ or<br>US-20020071569-\$ or<br>US-20030133579-\$).did. or<br>(US-5375596-\$ or US-6873608-\$ or<br>US-5914602-\$ or US-5400406-\$ or<br>US-6232785-\$ or US-4110571-\$ or<br>US-6625448-\$ or US-6064742-\$ or<br>US-7095455-\$ or US-6980662-\$ or<br>US-6731760-\$ or US-6603860-\$ or<br>US-5500585-\$).did. | US-PGPUB;<br>USPAT | OR | ON | 2007/01/23 18:47 |
| S37 | 31 | (S36 or S34)  | US-PGPUB;<br>USPAT | OR | ON | 2007/01/23 18:47 |
| S38 | 10 | S37 and (antenna\$1 or receiver\$1)<br>and (filter\$1 and amplif\$5)  | US-PGPUB;<br>USPAT | OR | ON | 2007/01/23 18:47 |
| S39 | 8  | (field\$2 with (function\$6 or test\$3<br>or operat\$6 or work\$3)) and<br>(device\$1 or \$4speaker\$1) and S38   | US-PGPUB;<br>USPAT | OR | ON | 2007/01/23 18:49 |